AMENDMENTS TO THE SPECIFICATION

Please replace the first full paragraph on page 18 with the following amended paragraph:

The undoped n-type (111) boron phosphide layer serving as the lower cladding layer 102 was found to have a carrier ~~(hole)~~ (electron) concentration of 6×10^{19} cm^{-3} and a resistivity at room temperature of 8×10^{-3} $\Omega \cdot cm$. The undoped p-type (111) boron phosphide layer serving as the upper cladding layer 104 was found to have a carrier (hole) concentration of 2×10^{19} cm^{-3} and a resistivity at room temperature of 5×10^{-2} $\Omega \cdot cm$.